

FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Apr 8, 2005 (20050408/UP).

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(FILE 'HOME' ENTERED AT 10:49:38 ON 14 APR 2005)

FILE 'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 10:50:06 ON 14 APR 2005

L1 5460339 S CORNEODESMOSIN OR (S(1A) GENE OR PROTEIN)
L2 122949 S CORNEODESMOSIN OR (S(1A) (GENE OR PROTEIN))
L3 231 S L2 AND PSORIASIS
L4 167 DUP REM L3 (64 DUPLICATES REMOVED)
L5 46 S L4 AND (POLYMORPH? OR SNP?)
L6 6 S L5 NOT PY>1999

FILE 'STNGUIDE' ENTERED AT 10:56:49 ON 14 APR 2005

L7 0 S "S GENE" AND PSORIASIS

FILE 'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 11:00:22 ON 14 APR 2005

L8 55 S "S GENE" AND PSORIASIS
L9 36 DUP REM L8 (19 DUPLICATES REMOVED)
L10 10 S L9 NOT PY>1999
L11 5 S L10 NOT L6

FILE 'STNGUIDE' ENTERED AT 11:04:08 ON 14 APR 2005

L6 ANSWER 3 OF 6 MEDLINE on STN
 ACCESSION NUMBER: 97051450 MEDLINE
 DOCUMENT NUMBER: PubMed ID: 8896176
 TITLE: Genetic **polymorphisms** in the keratin-like **S gene** within the human major histocompatibility complex and association analysis on the susceptibility to **psoriasis vulgaris**.
 AUTHOR: Ishihara M; Yamagata N; Ohno S; Naruse T; Ando A; Kawata H; Ozawa A; Ohkido M; Mizuki N; Shiina T; Ando H; Inoko H
 CORPORATE SOURCE: Department of Ophthalmology, Yokohama City University School of Medicine, Japan.
 SOURCE: Tissue antigens, (1996 Sep) 48 (3) 182-6.
 Journal code: 0331072. ISSN: 0001-2815.
 PUB. COUNTRY: Denmark
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 ENTRY MONTH: 199702
 ENTRY DATE: Entered STN: 19970219
 Last Updated on STN: 19970219
 Entered Medline: 19970206

AB **Psoriasis vulgaris** is associated with the HLA-Cw6 and Cw7 antigens. However, it has not yet been clarified if the HLA-Cw6 and Cw7 genes themselves are the susceptible gene related to this disease or if it is some other non-HLA gene in a linkage disequilibrium with these HLA-C alleles. The **S gene**, recently identified in the HLA class I region 160 kb telomeric of HLA-C, encodes a keratin-like protein and is expressed specifically in the granular layer of the epidermis. Therefore, it is tempting to speculate that the **S gene** is one of the strong candidate genes responsible for the pathogenesis of **psoriasis vulgaris**. Direct sequencing of the first and second exon of the **S gene** after polymerase chain reaction (PCR) amplification has allowed the identification of two diallelic **polymorphic** sites in exon 1 and seven diallelic **polymorphic** sites in exon 2, three among which result in amino acid exchanges, a Ser-Phe substitution at amino acid position 186, a Gly-Val substitution at position 393 and a Ser-Leu substitution at position 394. No significant difference in the dimorphic distributions of the **S gene** was observed between the patients with **psoriasis vulgaris** and healthy controls, suggesting that the susceptible gene for **psoriasis** is not the **S gene** itself.

L6 ANSWER 4 OF 6 MEDLINE on STN
 ACCESSION NUMBER: 92083249 MEDLINE
 DOCUMENT NUMBER: PubMed ID: 1684125
 TITLE: Immunoglobulin heavy chain gene **polymorphisms** in Italian patients with **psoriasis** and psoriatic arthritis.
 AUTHOR: Sakkas L I; Marchesoni A; Kerr L A; Ranza R; Colombo B; Welsh K I; Panayi G S
 CORPORATE SOURCE: Molecular Immunogenetics Unit, UMDS, Guy's Hospital, London.
 SOURCE: British journal of rheumatology, (1991 Dec) 30 (6) 449-50.
 Journal code: 8302415. ISSN: 0263-7103.
 PUB. COUNTRY: ENGLAND: United Kingdom
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals
 ENTRY MONTH: 199201
 ENTRY DATE: Entered STN: 19920209
 Last Updated on STN: 19950206
 Entered Medline: 19920117

AB A **polymorphism** of the switch region of the mu IgH gene (**S mu**) is associated with arthritis in English patients with **psoriasis**. In this study, Italian patients with **psoriasis** alone (PS) or psoriatic arthritis (PSA) were analysed by Southern blot using DNA probes for the S mu region and a hypervariable locus 5' of the

joining (JH) region of IgH (5' JH). No association between PSA and IgH gene **polymorphisms** was found. However, an association was found between PS and a genotype of the 5' JH region (Fisher's $P = 0.0002$, $RR = 27$). Additional DNA markers around the S mu region may reveal more accurate markers for PS or PSA.